

L Number	Hits	Search Text	DB	Time stamp
1	59	(US-5866933-\$ or US-5278105-\$ or US-5475251-\$ or US-4672221-\$ or US-5369299-\$ or US-5468990-\$ or US-5050123-\$ or US-5061978-\$ or US-5488251-\$ or US-5821582-\$ or US-6326675-\$ or US-6072328-\$ or US-6198155-\$ or US-5907008-\$ or US-5717224-\$ or US-5702849-\$ or US-5622787-\$ or US-6281266-\$ or US-6163062-\$ or US-6259495-\$ or US-5990491-\$ or US-RE37591-\$ or US-6380561-\$ or US-5966193-\$ or US-6031593-\$ or US-6791191-\$).did. or (US-6759722-\$ or US-6665782-\$ or US-6613661-\$ or US-6528885-\$ or US-6459629-\$ or US-6414884-\$ or US-6413847-\$ or US-6392259-\$ or US-6381115-\$ or US-6333213-\$ or US-6294816-\$ or US-6207479-\$ or US-6137318-\$ or US-6117762-\$ or US-6064110-\$ or US-5998858-\$ or US-5930663-\$ or US-5861652-\$ or US-5783846-\$ or US-5030796-\$ or US-4851894-\$).did. or (US-20010003374-\$ or US-20040119165-\$ or US-20040061186-\$ or US-20040047188-\$ or US-20030214002-\$ or US-20020096777-\$ or US-20020096776-\$ or US-20020096744-\$).did. or (JP-61296738-\$ or JP-11038221-\$ or JP-61147551-\$ or JP-10270562-\$).did.	USPAT; US-PGPUB; JPO	2004/11/04 07:40
2	43	((US-5866933-\$ or US-5278105-\$ or US-5475251-\$ or US-4672221-\$ or US-5369299-\$ or US-5468990-\$ or US-5050123-\$ or US-5061978-\$ or US-5488251-\$ or US-5821582-\$ or US-6326675-\$ or US-6072328-\$ or US-6198155-\$ or US-5907008-\$ or US-5717224-\$ or US-5702849-\$ or US-5622787-\$ or US-6281266-\$ or US-6163062-\$ or US-6259495-\$ or US-5990491-\$ or US-RE37591-\$ or US-6380561-\$ or US-5966193-\$ or US-6031593-\$ or US-6791191-\$).did. or (US-6759722-\$ or US-6665782-\$ or US-6613661-\$ or US-6528885-\$ or US-6459629-\$ or US-6414884-\$ or US-6413847-\$ or US-6392259-\$ or US-6381115-\$ or US-6333213-\$ or US-6294816-\$ or US-6207479-\$ or US-6137318-\$ or US-6117762-\$ or US-6064110-\$ or US-5998858-\$ or US-5930663-\$ or US-5861652-\$ or US-5783846-\$ or US-5030796-\$ or US-4851894-\$).did. or (US-20010003374-\$ or US-20040119165-\$ or US-20040061186-\$ or US-20040047188-\$ or US-20030214002-\$ or US-20020096777-\$ or US-20020096776-\$ or US-20020096744-\$).did. or (JP-61296738-\$ or JP-11038221-\$ or JP-61147551-\$ or JP-10270562-\$).did.) and (via vias hole) 6791191.URPN.	USPAT; US-PGPUB; JPO	2004/11/04 08:24
3	0	6791191.URPN.	USPAT	2004/11/04 07:43

4	88	( "3673471"   "3946426"   "4017888"   "4139864"   "4164461"   "4196443"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4374454"   "4409434"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4939567"   "4962484"   "4975756"   "4998151"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5121089"   "5121186"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5506806"   "5531018"   "5539224"   "5541614"   "5571735"   "5576988"   "5611940"   "5638946"   "5679595"   "5719422"   "5719430"   "5721150"   "5783846"   "5838047"   "5854510"   "5866933"   "5880503"   "5920097"   "5930663"   "5973375"   "5977593"   "6046659"   "6054659"   "6057520"   "6117762"   "6154388"   "6215158"   "6294816"   "6326675" ) .PN.	USPAT	2004/11/04 07:43
5	15	5468990.URPN.	USPAT	2004/11/04 07:46
6	7	( "4030952"   "5030796"   "5070386"   "5109267"   "5231299"   "5308682"   "5337274" ) .PN.	USPAT	2004/11/04 07:49
7	0	6613661.URPN.	USPAT	2004/11/04 07:56
8	60	( "3946426"   "4101344"   "4139864"   "4164461"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4343079"   "4374454"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4975756"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5539224"   "5721150"   "5783846"   "5866933"   "5930663"   "5973375"   "6064110"   "6294816" ) .PN.	USPAT	2004/11/04 07:56

9	60	("3946426"   "4101344"   "4139864"   "4164461"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4343079"   "4374454"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4975756"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5539224"   "5721150"   "5783846"   "5866933"   "5930663"   "5973375"   "6064110"   "6294816") .PN.	USPAT	2004/11/04 08:02
10	0	6528885.URPN.	USPAT	2004/11/04 08:04
11	0	6528885.URPN.	USPAT	2004/11/04 08:04
12	9	("5336624"   "5629236"   "5789313"   "5909058"   "5930663"   "5946563"   "5990988"   "6069036"   "6380087") .PN.	USPAT	2004/11/04 08:04
13	8	("4962484"   "5506806"   "5576988"   "5783846"   "5866933"   "5930663"   "6117762"   "6154388") .PN.	USPAT	2004/11/04 08:06
14	0	6459629.URPN.	USPAT	2004/11/04 08:07
15	0	6413847.URPN.	USPAT	2004/11/04 08:11
16	6	("5798298"   "5959320"   "6022804"   "6133144"   "6218282"   "6243653") .PN.	USPAT	2004/11/04 08:12
17	2	6207479.URPN.	USPAT	2004/11/04 08:17
18	3	("5088061"   "5629860"   "5872027") .PN.	USPAT	2004/11/04 08:17
19	1480	reverse near1 engineering) (opaque near1 conductive near1 shielding	USPAT; US-PGPUB; EPO; JPO	2004/11/04 08:53
20	1132	(reverse near1 engineering) (opaque near1 conductive near1 shielding) and (via vias hole ((metal conductive) near plug))	USPAT; US-PGPUB; JPO	2004/11/04 08:25
21	140	((reverse near1 engineering) (opaque near1 conductive near1 shielding) and (via vias hole ((metal conductive) near plug))) and ((conductive metal) near1 (line layer))	USPAT; US-PGPUB; EPO; JPO	2004/11/04 08:54

22	143	((US-5866933-\$ or US-5278105-\$ or US-5475251-\$ or US-4672221-\$ or US-5369299-\$ or US-5468990-\$ or US-5050123-\$ or US-5061978-\$ or US-5488251-\$ or US-5821582-\$ or US-6326675-\$ or US-6072328-\$ or US-6198155-\$ or US-5907008-\$ or US-5717224-\$ or US-5702849-\$ or US-5622787-\$ or US-6281266-\$ or US-6163062-\$ or US-6259495-\$ or US-5990491-\$ or US-RE37591-\$ or US-6380561-\$ or US-5966193-\$ or US-6031593-\$ or US-6791191-\$).did. or (US-6759722-\$ or US-6665782-\$ or US-6613661-\$ or US-6528885-\$ or US-6459629-\$ or US-6414884-\$ or US-6413847-\$ or US-6392259-\$ or US-6381115-\$ or US-6333213-\$ or US-6294816-\$ or US-6207479-\$ or US-6137318-\$ or US-6117762-\$ or US-6064110-\$ or US-5998858-\$ or US-5930663-\$ or US-5861652-\$ or US-5783846-\$ or US-5030796-\$ or US-4851894-\$).did. or (US-20010003374-\$ or US-20040119165-\$ or US-20040061186-\$ or US-20040047188-\$ or US-20030214002-\$ or US-20020096777-\$ or US-20020096776-\$ or US-20020096744-\$).did. or (JP-61296738-\$ or JP-11038221-\$ or JP-61147551-\$ or JP-10270562-\$).did.) ("3673471"   "3946426"   "4017888"   "4139864"   "4164461"   "4196443"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4374454"   "4409434"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4939567"   "4962484"   "4975756"   "4998151"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5121089"   "5121186"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5506806"   "5531018"   "5539224"   "5541614"   "5571735"   "5576988"   "5611940"   "5638946"   "5679595"   "5719422"   "5719430"   "5721150"   "5783846"   "5838047"   "5854510"   "5866933"   "5880503"   "5920097"   "5930663"   "5973375"   "5977593"   "6046659"   "6054659"   "6057520"   "6117762"   "6154388"   "6215158"   "6294816"   "6326675").PN.) 5468990.URPN. ("3946426"   "4101344"   "4139864"   "4164461"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4343079"   "4374454"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4975756"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5506806"   "5531018"   "5539224"   "5541614"   "5571735"   "5576988"   "5611940"   "5638946"   "5679595"   "5719422"   "5719430"   "5721150"   "5783846"   "5838047"   "5854510"   "5866933"   "5880503"   "5920097"   "5930663"   "5973375"   "5977593"   "6046659"   "6054659"   "6057520"   "6117762"   "6154388"   "6215158"   "6294816"   "6326675").PN.)	USPAT; US-PGPUB; EPO; JPO	2004/11/04 08:27
Search History		11/4/04 10:26:19 AM Page 4		
C:\APPS\EAST\Workspaces\reverse-engineering-semiconductor-device.wsp				

23	127	((reverse nearl engineering) (opaque nearl conductive nearl shielding) and (via vias hole ((metal conductive) near plug))) and ((conductive metal) nearl (line layer))) not ((US-5866933-\$ or US-5278105-\$ or US-5475251-\$ or US-4672221-\$ or US-5369299-\$ or US-5468990-\$ or US-5050123-\$ or US-5061978-\$ or US-5488251-\$ or US-5821582-\$ or US-6326675-\$ or US-6072328-\$ or US-6198155-\$ or US-5907008-\$ or US-5717224-\$ or US-5702849-\$ or US-5622787-\$ or US-6281266-\$ or US-6163062-\$ or US-6259495-\$ or US-5990491-\$ or US-RE37591-\$ or US-6380561-\$ or US-5966193-\$ or US-6031593-\$ or US-6791191-\$).did. or (US-6759722-\$ or US-6665782-\$ or US-6613661-\$ or US-6528885-\$ or US-6459629-\$ or US-6414884-\$ or US-6413847-\$ or US-6392259-\$ or US-6381115-\$ or US-6333213-\$ or US-6294816-\$ or US-6207479-\$ or US-6137318-\$ or US-6117762-\$ or US-6064110-\$ or US-5998858-\$ or US-5930663-\$ or US-5861652-\$ or US-5783846-\$ or US-5030796-\$ or US-4851894-\$).did. or (US-20010003374-\$ or US-20040119165-\$ or US-20040061186-\$ or US-20040047188-\$ or US-20030214002-\$ or US-20020096777-\$ or US-20020096776-\$ or US-20020096744-\$).did. or (JP-61296738-\$ or JP-11038221-\$ or JP-61147551-\$ or JP-10270562-\$).did.) (("3673471"   "3946426"   "4017888"   "4139864"   "4164461"   "4196443"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4374454"   "4409434"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4939567"   "4962484"   "4975756"   "4998151"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5121089"   "5121186"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5506806"   "5531018"   "5539224"   "5541614"   "5571735"   "5576988"   "5611940"   "5638946"   "5679595"   "5719422"   "5719430"   "5721150"   "5783846"   "5838047"   "5854510"   "5866933"   "5880503"   "5920097"   "5930663"   "5973375"   "5977593"   "6046659"   "6054659"   "6057520"   "6117762"   "6154388"   "6215158"   "6294816"   "6326675").PN.) 5468990.URPN. (("3946426"   "4101344"   "4139864"   "4164461"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4343079"   "4374454"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4975756"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5121089"   "5121186"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5506806"   "5531018"   "5539224"   "5541614"   "5571735"   "5576988"   "5611940"   "5638946"   "5679595"   "5719422"   "5719430"   "5721150"   "5783846"   "5838047"   "5854510"   "5866933"   "5880503"   "5920097"   "5930663"   "5973375"   "5977593"   "6046659"   "6054659"   "6057520"   "6117762"   "6154388"   "6215158"   "6294816"   "6326675").PN.) 5468990.URPN. (("3946426"   "4101344"   "4139864"   "4164461"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4343079"   "4374454"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4975756"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5121089"   "5121186"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"   "5336624"   "5341013"   "5354704"   "5369299"   "5371390"   "5376577"   "5384472"   "5399441"   "5441902"   "5468990"   "5475251"   "5506806"   "5531018"   "5539224"   "5541614"   "5571735"   "5576988"   "5611940"   "5638946"   "5679595"   "5719422"   "5719430"   "5721150"   "5783846"   "5838047"   "5854510"   "5866933"   "5880503"   "5920097"   "5930663"   "5973375"   "5977593"   "6046659"   "6054659"   "6057520"   "6117762"   "6154388"   "6215158"   "6294816"   "6326675").PN.) 5468990.URPN. (("3946426"   "4101344"   "4139864"   "4164461"   "4267578"   "4291391"   "4295897"   "4314268"   "4317273"   "4343079"   "4374454"   "4435895"   "4471376"   "4581628"   "4583011"   "4603381"   "4623255"   "4727493"   "4766516"   "4799096"   "4821085"   "4830974"   "4975756"   "5030796"   "5050123"   "5061978"   "5065208"   "5068697"   "5070378"   "5101121"   "5117276"   "5121089"   "5121186"   "5132571"   "5138197"   "5146117"   "5168340"   "5202591"   "5227649"   "5231299"   "5302539"   "5308682"   "5309015"
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24	1480	reverse near1 engineering	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:26
25	38	((reverse near1 engineering) and ((conductive metal) near line)	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:27
26	27	((reverse near1 engineering) and ((conductive metal) near line)) and interconnect\$3 and (plug via vias)	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:26
27	1	EIJI-KAWAI	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:07
28	183	KAWAI-EIJI	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:09
29	2010	reverse near1 engineer\$3	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:26
30	1529	((reverse near1 engineer\$3) and (plug via vias))	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:26
31	39	((reverse near1 engineer\$3) and (plug via vias)) and ((conductive metal) near1 (wiring pattern line))	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:28
33	8	((reverse near1 engineer\$3) and (plug via vias)) and (dummy near1 (wiring pattern line))	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:30
32	43	((reverse near1 engineer\$3) and (plug via vias)) and ((conductive wiring metal) near1 (wiring pattern line))	USPAT; US-PGPUB; EPO; JPO	2004/11/04 09:30
34	8	YEH-TSUEI-CHI	USPAT; US-PGPUB; EPO; JPO	2004/11/04 10:25
35	5	CHANG-WEI-YEN CHANG-WEI-YI CHANG-WEI-YIN CHANG-WEI-YU	USPAT; US-PGPUB; EPO; JPO	2004/11/04 10:25